

## Catalog Number Identification Sheet for Class 8839 ECONO-flex™ AC Drives

The controller catalog number, located on the nameplate on the inside of the door, is coded to describe the configuration and options present. Use the following grid to translate the catalog number into a description of the drive controller.

Class						Type			Modifications		
						Control	Light	Misc.			
8839	58E	•	•	•	V	•	•	•			
①	②	③	④	⑤	⑥	⑦	⑧	⑨			

① Product

Code	Drive Type
58E	ECONO-FLEX Controller

② Horsepower Code

Code	HP Rating	Code	HP Rating
C	1 hp	L	25
D	2 hp	M	30
E	3 hp	N	40
F	5 hp	P	50
G	7.5 hp	Q	60 (460 V only)
H	10 hp	R	75 (460 V only)
J	15 hp	S	100 (460 V only)
K	20 hp		

③ Enclosure Type

Code	Environment Rating
A	Type 12K
G	Type 1
H [5]	Type 3R

④ Voltage Rating

Code	Voltage
2	208 V
3	230 V
4	460 V

⑤ Application Type

Code	Applied Rating
V	Variable Torque

⑥ Device Type

Code	Power Circuit
W [5]	Without Bypass
Y [8]	Bypass

- [1] Control option C07 (Start/Stop, Speed Potentiometer) is not compatible with Power Circuit Y (Bypass) or light cluster A08 or B08.
- [2] Light cluster A08, B08, and C08 cannot be selected together. Select only one.
- [3] Light cluster B08 is not compatible with Power Circuit W (Without Bypass).
- [4] Light cluster C08 is not compatible with A07 (Hand/Off/Auto, Speed Potentiometer), or B07 (Hand/Off/Auto, Start/Stop, Speed Potentiometer).
- [5] Line contactor B09 is not compatible with this option.
- [6] Smoke purge E09 permits the motor to run at full speed.

⑦ Control Option

Code	AFC Controls
A07 [7]	Hand/Off/Auto, Speed Potentiometer
B07 [7]	Hand/Off/Auto, Start/Stop, Speed Potentiometer
C07 [1]	Start/Stop, Speed Potentiometer
N07	None

⑧ Light Option

Code	Light Cluster
A08 [2]	Red Power On
	Green AFC Run
	Yellow AFC Fault
	Yellow Auto
B08 [2], [3]	Red Power On
	Green AFC Run
	Yellow AFC Fault
	Yellow Bypass
C08 [2], [4]	Red Power On
	Green AFC Run
	Yellow AFC Fault

⑨ Misc. Options

Code	Feature
A09 [9]	Line Reactor (included with 30–100 hp @ 460 V and 15–50 hp @ 208/230 V)
B09	Line Contactor
C09 [10]	3-15 PSI Transducer
D09 [13]	Omit Keypad
E09 [6]	Smoke Purge
G09	22 KAIC UL Coordinated Rating
H09 [11]	Analog Card, 0–20 mA, programmable for 4–20 mA output
J09 [12]	0–10 Vdc Auto Speed Reference
K09	cUL Listing
L09 [14]	LONWORKS
M09 [14]	MODBUS
P09 [14]	METASYS N2

- [7] Place the Hand-Off-Auto switch in the Off position for AFC fault reset.
- [8] Includes AFC/Off/Bypass switch and Test/Normal switch.
- [9] Line reactor A09 is an option for 1–25 hp @ 460 V and 1–10 hp @ 208/230 V.
- [10] 3–15 PSI Transducer C09 is not compatible with Start/Stop, Speed Potentiometer C07, 0–10 V Auto Speed Reference J09, or Analog Card H09.
- [11] Analog Card H09 is not compatible with 3–15 PSI Transducer C09 or serial communication L09, M09 or P09.
- [12] 0–10 V Auto Speed Reference J09 is not compatible with C07 Start/Stop Potentiometer or C09 3–15 PSI Transducer.
- [13] Omit the keypad D09. User must buy separate device to program the controller.
- [14] Serial communication L09, M09 and P09 cannot be selected together. Select only one. Serial communication cannot be selected with H09 analog card.